

WAC 197-11-960 Environmental checklist.

ENVIRONMENTAL CHECKLIST

Purpose of checklist:

The State Environmental Policy Act (SEPA), chapter 43.21C RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the agency identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the agency decide whether an EIS is required.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Governmental agencies use this checklist to determine whether the environmental impacts of your proposal are significant, requiring preparation of an EIS. Answer the questions briefly, with the most precise information known, or give the best description you can.

You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer, or if a question does not apply to your proposal, write "do not know" or "does not apply." Complete answers to the questions now may avoid unnecessary delays later.

Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the governmental agencies can assist you.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Use of checklist for nonproject proposals:

Complete this checklist for nonproject proposals, even though questions may be answered "does not apply." IN ADDITION, complete the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D).

For nonproject actions, the references in the checklist to the words "project," "applicant," and "property or site" should be read as "proposal," "proposer," and "affected geographic area," respectively.

A. BACKGROUND

1. Name of proposed project, if applicable:

"Tilt" Timber Harvest Unit

2. Name of applicant: Pope Resources L.P.

3. Address and phone number of applicant and contact person:

Pope Resources c/o Olympic Resource Management

321 Maurin Rd. Ste C

Chehalis, WA 98532

Contact: Mike Mackelwich

4. Date checklist prepared: June 23, 2004

5. Agency requesting checklist: Department of Natural Resources

6. Proposed timing or schedule (including phasing, if applicable):

Timber harvest to occur in July, August & September of 2004.

Cedar Salvage may occur sometime in within two years of receiving an approved application.

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

Reforestation of the site will occur following timber harvest activities. Reforestation will occur in either winter of 2005 or winter of 2006.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

Geotechnical Evaluation of the Tilt Harvest Unit prepared by E. Steven Toth, Consulting Hydrologist & Licensed Engineering Geologist.

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain. None

10. List any government approvals or permits that will be needed for your proposal, if known.
Forest Practices Application, Hydraulics Project Approval, Shorelines Exemption (received).

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.)

This proposal is for harvesting timber on a 50 acre site near the East Fork Tilton River where steep slopes occur in portions of the harvest unit. Harvesting on slopes exceeding 35% will be accomplished with a logging tower/highlead system. Approximately 2,000 feet of temporary road will be built into the harvest unit. Roads will be constructed on very gentle slopes.

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.

The project is located in Portions of the South ½ of the South ½ of Section 22, Township 13 North, Range 5 East, W.M. (Assessor's Tax Parcel I.D. 34483-4).

This project is in the E.F. Tilton Watershed Administrative Unit. Watershed Analysis was conducted on the area by Murray Pacific Corporation in 1994. Specifically, harvesting of timber will occur in Mass Wasting Map Unit 6 of the Watershed Analysis. This is consistent with the prescriptions found in the Watershed Analysis. The area underwent a Watershed Analysis 5-year review in 2000.

TO BE COMPLETED BY APPLICANT

EVALUATION FOR
AGENCY USE ONLY

B. ENVIRONMENTAL ELEMENTS

1. Earth

- a. General description of the site (circle one): Flat, rolling, hilly, steep slopes, mountainous,
other Portions of the harvest unit will occur on very flat ground and portions will occur on steep slopes.
- b. What is the steepest slope on the site (approximate percent slope)? 120%

- c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any prime farmland.

SCS 1980: Type 160 Pheeney gravelly loam
 Type 165 Pheeney/rock outcrop complex
 Type 250 Zynbar gravelly silt loam

- d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

Surface indicators suggest that harvest will occur on potentially unstable landforms that have a very low to no likelihood of delivery to a Public Resource (see Geo-technical report and Mass Wasting Assessment of the E.F. Tilton Watershed Analysis).

- e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill. Road construction will occur on slopes less than 40 %. Minor filling may occur in the road prism to a depth of two feet at the maximum. Less than eighty cubic yards of fill or less will be necessary for the entire road construction project. The source of the said fill will be on sit (from cuts created by the aforesaid construction).

The road will be temporary and will not be ballasted.

- f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

The Watershed Analysis review of the area suggest that logging will not likely result in significant surface erosion.

Minor erosion is possible as a result of road construction or timber harvest.

- g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)? Short-term 1% of the project area will be covered by temporary dirt roads that will be compacted by heavy equipment and heavy trucks. Long-term, this road will be waterbarred and planted with seedlings. In the end less the .5% will remain as compacted dirt and semi-impervious. Any skid roads with significant compaction or soil disturbance will be waterbarred and mulched with slash upon completion of operations (none is anticipated).

- h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

The road will be abandoned (put to bed) following harvest activities by waterbarring the road every 100 feet and planting the road with seedlings by Winter of 2006. Partial suspension logging will be used on slopes exceeding 60%. Full Suspension logging will occur in most places over 60% due to topographical features at the site and the equipment to be used.

a. **Air**

- a. What types of emissions to the air would result from the proposal (i.e., dust, automobile, odors, industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.

Emissions from automobiles and heavy equipment will occur during road construction and during timber harvesting operations. Some dust will occur from vehicles traveling on roads. Equipment exhaust odors will occur at the site.

- b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

None known

- c. Proposed measures to reduce or control emissions or other impacts to air, if any:

Equipment and automobiles will comply with relevant emission standards, if any, applicable to the equipment type, use and location in which it is used.

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3. Water

a. Surface:

- 1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into. Yes, E.F. Tilton River and several small non-perennial streams that are tributary to the E.F. Tilton River.
- 2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans. Yes, plans have been submitted to Lewis County and a Shoreline exemption was received on May 20, 2004. Other work over, adjacent to, and in waters includes suspending logging cables over waters, falling and bucking timber with 50 feet of waters, and cable logging within 50 feet of waters.
- 3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material. None
- 4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known. No
- 5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan. No for logging, Yes for suspending cables over the 100-year floodplain.
- 6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge. No

b. Ground:

- 1) Will ground water be withdrawn, or will water be discharged to ground water? Give general description, purpose, and approximate quantities if known. No

- 2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals. . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve. None

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EVALUATION FOR
AGENCY USE ONLY

c. Water runoff (including stormwater):

- 1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe. N/A, None

- 2) Could waste materials enter ground or surface waters? If so, generally describe.
In the event of a major fuel spill near streams.

d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:

All Pope Resources'/Olympic Resource Management's contractors are required to have spill containment kits on-site during operations.

4. Plants

a. Check or circle types of vegetation found on the site:

- ☒ deciduous tree: alder, maple, aspen, other
☒ evergreen tree: fir, cedar, pine, other
☒ shrubs
☒ grass
☐ pasture
☐ crop or grain
☐ wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other
☐ water plants: water lily, eelgrass, milfoil, other
☒ other types of vegetation

b. What kind and amount of vegetation will be removed or altered?

Approximately 1550 mbf of conifer and deciduous trees will be removed.

c. List threatened or endangered species known to be on or near the site.

None known.

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

The area will be reforested with Douglas fir seedlings at approximately 400 trees per acre.

5. Animals

- a. Circle any birds and animals which have been observed on or near the site or are known to be on or near the site:

birds: hawk, heron, eagle, songbirds, other:

mammals: deer, bear, elk, beaver, other:

fish: bass, salmon, trout, herring, shellfish, other:

- b. List any threatened or endangered species known to be on or near the site. The project area is within the range of the Lower Columbia River Steelhead Evolutionary Significant Unit (Listed as Threatened under the Endangered Species Act). These fish may be present in the E.F. Tilton River.

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- c. Is the site part of a migration route? If so, explain.

The site is possibly in the Pacific Flyway

- d. Proposed measures to preserve or enhance wildlife, if any:

Standard forest practices rules will be applied that protect both fish and wildlife.

6. Energy and natural resources

- a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc. Diesel Fuel will be used in equipment to accomplish the project. Gasoline fuel will be used in some automobiles necessary to transport personnel to the jobsite.

- b. Would your project affect the potential use of solar energy by adjacent properties?

If so, generally describe. No

- c. What kinds of energy conservation features are included in the plans of this proposal?

List other proposed measures to reduce or control energy impacts, if any: Most personnel carpool to the job site in a crew bus or crummy.

7. Environmental health

- a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe. Fires may result from logging activities. Fuel spills can result from logging activities.

1) Describe special emergency services that might be required. If a wildfire occurs, state local, and federal assistance could be necessary to control the fire depending on its size. If as major fuel spill occurred it could be necessary to obtain state or local assistance in containing and cleaning-up such a spill.

2) Proposed measures to reduce or control environmental health hazards, if any: The logging contractor will be required to have a 500 gallon pump tank on-site when required by the Department of Natural Resources. The logger will comply with all Department of Natural Resources Industrial Fire Precaution Level limitations and restrictions.

All of Pope Resources'/Olympic Resource Management's contractors are required to have spill containment kits on-site during operations.

b. Noise

- 1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)? None
- 3) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site. Short-term noise would occur from the site as a result of traffic and equipment from approximately 3:30 A.M to approximately 4:30 P.M.

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- 3) Proposed measures to reduce or control noise impacts, if any: All heavy equipment and all automobiles have muffler devices.

8. Land and shoreline use

- a. What is the current use of the site and adjacent properties? Private forestland
- b. Has the site been used for agriculture? If so, describe. No
- c. Describe any structures on the site. None
- d. Will any structures be demolished? If so, what? No
- e. What is the current zoning classification of the site? Forest Resource Lands
- f. What is the current comprehensive plan designation of the site? Forestland
- g. If applicable, what is the current shoreline master program designation of the site? Conservancy
- h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify. None
- i. Approximately how many people would reside or work in the completed project? Temporarily approximately 20 people would work at the site.
- j. Approximately how many people would the completed project displace? After the project is complete the 20 people working at the site would move to another job location.
- k. Proposed measures to avoid or reduce displacement impacts, if any: None

1. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any: Applicant has received a letter stating that the proposed activity is consistent with the County Shoreline Master Program.

9. Housing

- a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing. None
- b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing. None
- c. Proposed measures to reduce or control housing impacts, if any:
N/A

10. Aesthetics

- a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed? N/A
- b. What views in the immediate vicinity would be altered or obstructed?
Views from logging roads only.
- c. Proposed measures to reduce or control aesthetic impacts, if any:
Leave trees on two non-perennial waters will limit aesthetic impacts.

11. Light and glare

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur? In the early morning 3:30 A.M. until daylight log loaders have large lights attached that accommodate loading trucks. Glare from windshields on equipment and automobiles could occur anytime during the day.
- b. Could light or glare from the finished project be a safety hazard or interfere with views?
Glare could be a safety hazard on the jobsite in a very unusual situation.
- c. What existing off-site sources of light or glare may affect your proposal?
None known
- d. Proposed measures to reduce or control light and glare impacts, if any:
None

12. Recreation

- a. What designated and informal recreational opportunities are in the immediate vicinity?

Pope Resources' lands are open to foot non-motorized use in this area when fire hazard is not a concern.

- b. Would the proposed project displace any existing recreational uses? If so, describe. Recreational use would not be allowed in the active harvest area throughout the duration of the activity.

- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any: None

13. Historic and cultural preservation

- a. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.

None Known

- b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.

None

- c. Proposed measures to reduce or control impacts, if any:

N/A

14. Transportation

- a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any.

Access to the site is off an established, private mainline logging road that intersects State Hwy 7 north of Morton WA.

- b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop? No it is not served and the nearest distance is unknown.

- c. How many parking spaces would the completed project have? How many would the project eliminate? N/A

- d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private). A new, private, temporary log truck road will be built off an existing private logging road to access the site.

- e. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe. No

- f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.

Approximately 20 trips per day would occur as a result of the project.

- g. Proposed measures to reduce or control transportation impacts, if any: Personnel carpool to the site in a crew bus or crummy.

15. Public services

- a. Would the project result in an increased need for public services (for example: fire protection, police protection, health care, schools, other)? If so, generally describe. No

- b. Proposed measures to reduce or control direct impacts on public services, if any.

N/A

16. Utilities

- a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other. None
- b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed. None

C. SIGNATURE

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: Mike M. [Signature] Senior Forester, Columbia Tree Farm

Date Submitted: 6/15/04